

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/USPOA (10-01)
Approved for use through 10/31/2002. OMB 0541-0002
US Patent & Trademark Office, U.S. DEPARTMENT OF COMMERCE

Complete if Known

Application Number	10/578,822
Filing Date	May 9, 2006
First Named Inventor	Smith, Euan
Group Art Unit	2871
Examiner Name	Unknown

Sheet 1 of 3

Attorney Docket No: 1365.106US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-20020024513A1	02/28/2002	Kota, Atsushi, et al.	08/28/2001
	US-20020063671A1	05/30/2002	Knapp, Alan G.	11/08/2001
	US-20020083655A1	07/04/2002	Paul, William, et al.	03/22/2001
	US-20020158832A1	10/31/2002	Park, Tae-Kwang, et al.	02/25/2002
	US-20030018604A1	01/23/2003	Franz, Martin, et al.	05/22/2001
	US-20030193463A1	10/16/2003	Yamada, Fumiaki, et al.	05/06/2003
	US-20040125046A1	07/01/2004	Yamazaki, Tatsuro, et al.	10/08/2003
	US-20040150608A1	08/05/2004	Kim, Bong-Nam, et al.	12/17/2003
	US-20040169463A1	09/02/2004	Burn, Paul L., et al.	01/20/2004
	US-20040249615A1	12/09/2004	Grzeszczuk, Radek, et al.	12/21/2001
	US-20050218791A1	10/06/2005	Kawase, Takeo	06/01/2005
	US-20060001613A1	01/05/2006	Routley, Paul R., et al.	07/05/2005
	US-20060050032A1	03/09/2006	Gunner, Alec G., et al.	05/23/2005
	US-20070069992A1	03/29/2007	Smith, E. C., et al.	09/29/2005
	US-20070085779A1	04/19/2007	Smith, E. C., et al.	09/29/2005
	US-3,621,321	11/16/1971	Williams, Digby F., et al.	10/28/1969
	US-4,539,507	09/03/1985	VanSlyke, Steven A., et al.	03/25/1983
	US-4,672,265	06/09/1987	Eguchi, Ken, et al.	07/28/1985
	US-5,247,190	09/01/1993	Friend, Richard H., et al.	12/28/1990
	US-5,646,652	07/08/1997	Saidi, Ali	04/01/1996
	US-5,654,734	08/05/1997	Orlen, Noah P., et al.	05/26/1995
	US-5,684,502	11/04/1997	Fukui, Yasuhito, et al.	12/28/1995
	US-5,747,182	05/05/1998	Friend, Richard H., et al.	04/03/1995
	US-5,807,627	09/15/1998	Friend, Richard H., et al.	03/31/1995
	US-5,821,690	10/13/1998	Martens, Josef, et al.	04/22/1996
	US-5,965,901	10/12/1999	Heeks, Stephen K., et al.	11/26/1997
	US-6,014,119	01/11/2000	Staring, Aemilianus G., et al.	05/17/1996
	US-6,151,414	11/21/2000	Lee, Daniel D., et al.	01/30/1998
	US-6,201,520	03/13/2001	Iketsu, Yuichi, et al.	09/16/1998
	US-6,332,661	12/25/2001	Yamaguchi, Hiroshi	03/27/2000
	US-6,429,601	08/06/2002	Friend, Richard H., et al.	08/17/2000
	US-6,496,168	12/17/2002	Tomida, Takayuki	10/02/2000
	US-6,558,219	05/06/2003	Burroughes, Jeremy H., et al.	09/06/2000
	US-6,558,818	05/06/2003	Samuel, Ifor D., et al.	10/23/1998
	US-6,605,823	08/12/2003	Pichler, Karl, et al.	07/29/1997
	US-6,897,473	05/24/2005	Burroughes, Jeremy H., et al.	01/03/2002
	US-7,049,010	05/23/2006	Holmes, Andrew B., et al.	10/21/1998
	US-7,078,251	07/18/2006	Burroughes, Jeremy, et al.	10/10/2003
	US-7,125,952	10/24/2006	O'Dell, Richard, et al.	10/14/2003
	US-7,151,341	12/19/2006	Pichler, Karl, et al.	07/10/2003

EXAMINER

/Pakeo Fang/

DATE CONSIDERED

12/05/2008

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in accordance with MPEP 809. Draw line through citation if not in accordance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language. Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.F./

Substitute for form 1449A-PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/09A (10-01)
Approved for use through 10/31/2003. OMB 0551-0021
U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

<i>Complete if Known</i>	
Application Number	10/578,822
Filing Date	May 9, 2006
First Named Inventor	Smith, Euan
Group Art Unit	2871
Examiner Name	Unknown

Sheet 2 of 3

Attorney Docket No: 1365.106US1

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	EP-0541295A2	05/12/1993	Tanioka, Hiroshi	
	EP-0581255A1	02/02/1994	Kuwata, Takeshi, et al.	
	EP-0621578A	10/26/1994	Fukui, Yasuhito, et al.	
	EP-0678844A1	10/25/1995	Fukui, Yasuhito, et al.	
	EP-1079361A1	02/28/2001	Tokunaga, Masahiro, et al.	
	EP-1091339A2	04/11/2001	Tomida, Takayuki	
	EP-1408479A2	04/14/2004	Yamazaki, Tatsuro, et al.	
	GB-2371910A	08/07/2002	Kawase, Takeo	
	GB-2381643A	05/07/2003	Smith, Euan C., et al.	
	GB-2388236A1	11/05/2003	Smith, Euan C., et al.	
	GB-2389952A1	12/24/2003	Routley, Paul R., et al.	
	WO-02067343A1	08/29/2002	Burn, Paul, et al.	
	WO-03079322A1	09/25/2003	Smith, Euan C., et al.	
	WO-03091983A1	11/06/2003	Smith, Euan C., et al.	
	WO-2004001707A2	12/31/2003	Trags, Alexander	
	WO-2004003877A2	01/08/2004	Hattori, Reiji	
	WO-2006035246A1	04/06/2006	Smith, Euan C., et al.	
	WO-2006035248A1	04/06/2006	Smith, Euan C., et al.	
	WO-9013148A1	11/01/1990	Friend, Richard H., et al.	
	WO-9506400A1	03/02/1995	Martens, Josef, et al.	
	WO-9921935A1	05/06/1999	Samuel, I., et al.	
	WO-9948160A1	09/23/1999	Burroughes, Jeremy, et al.	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"International Search Report and Written Opinion for Application No. PCT/GB2005/050168, Date Mailed January 31, 2006", 7 Pages	
		"United Kingdom Search report for Application No. GB0421711.3", 1 Page	
		LEE, DANIEL D., et al., "Algorithms for Non-negative Matrix Factorization", Advances in Neural Information Processing Systems, Vol. 13, (2001), 556-562	
		LEE, DANIEL D., et al., "Learning the parts of objects by non-negative matrix factorization", NATURE, Vol. 401, (October 1991), 788-791	
		LUI, WENGUO, et al., "Existing and new algorithms for non-negative matrix factorization", http://www.cs.utexas.edu/users/liuwg/383Cproject/CS_383C_Project.htm , (2002)	
		SHAHNAZ, FARIAL, et al., "Document clustering using nonnegative matrix factorization", Information Processing and Management, (2004), 14 Pages	

EXAMINER

/Pakee Fang/

DATE CONSIDERED

12/05/2008

Substitute Disclosure Statement Form (PTO-1449)
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional) * Applicant is to place a check mark here if English language Translation is attached

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.F./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/578,822
Filing Date	May 9, 2006
First Named Inventor	Smith, Euan
Group Art Unit	2871
Examiner Name	Unknown

Sheet 3 of 3

Attorney Docket No: 1365.106US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		TANGSRIRAT, W., et al., "FTFN with variable current gain", <u>Proceedings of IEEE Region 10 International Conference on Electrical and Electronic Technology, 2001. TENCON, Vol. 1, (2001), 209-212</u>	
		VOGT, FRANK, et al., "Recent advancements in chemometrics for smart sensors", <u>Analyst, Vol. 129, (2004), 492-502</u>	

EXAMINER

/Pakee Fang/

DATE CONSIDERED

12/05/2008

Substitute Disclosure Statement Form (PTO-1440)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 909. Draw free through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional). ‡ Applicant is to place a check mark here if English language Translation is attached

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.F./